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APPLICATION N	10.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/718,937	-	11/21/2003	Richard L. Solomon	03-1506	2923
24319	7590	08/30/2005		EXAM	INER
		RPORATION	SUN, SCOTT C		
1621 BA MS: D-10	RBER LA 06	ANE		ART UNIT	PAPER NUMBER
MILPITA	AS, CA	95035	2182		
	<u>:</u>			DATE MAILED: 08/30/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/718,937	SOLOMON ET AL.				
Office Action Summary	Examiner	Art Unit				
	Scott Sun	2182				
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	ith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO  - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a  - If NO period for reply is specified above, the maximum statutory per  - Failure to reply within the set or extended period for reply will, by standard patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a reply within the statutory minimum of thi riod will apply and will expire SIX (6) MO atute, cause the application to become A	reply be timely filed  rty (30) days will be considered timely.  NTHS from the mailing date of this communication.  BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 2	1 November 2003.					
2a)☐ This action is <b>FINAL</b> . 2b)⊠ T	his action is non-final.					
3)☐ Since this application is in condition for allo	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice unde	er <i>Ex par</i> te Quayle, 1935 C.I	D. 11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-36 is/are pending in the applicat 4a) Of the above claim(s) is/are without 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-36 are subject to restriction and/	drawn from consideration.					
Application Papers						
9)☐ The specification is objected to by the Exam	9)☐ The specification is objected to by the Examiner.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the cor	· · · · · · · · · · · · · · · · · · ·					
11) The oath or declaration is objected to by the	Examiner. Note the attache	d Office Action of form P10-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for fore	ign priority under 35 U.S.C.	§ 119(a)-(d) or (f).				
a) All b) Some * c) None of:						
1. Certified copies of the priority docume		Application No.				
<ul><li>2. Certified copies of the priority docum</li><li>3. Copies of the certified copies of the p</li></ul>		·· —				
application from the International Bur	•	. 1000.104 III tillo Hatiofial Otage				
* See the attached detailed Office action for a		received.				
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Paper No(s)/Mail Date \_

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)

Attachment(s)

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. \_\_\_\_\_.

6) Other: \_\_

5) Notice of Informal Patent Application (PTO-152)

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## **DETAILED ACTION**

## Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1-17, 29-36 drawn to a method/system to access memory by traversing a queue of commands containing a Next Valid Write Address pointer, classified in class 711, subclass 213.
  - II. Claims 18-28, drawn to processor for issuing commands in a queue, classified in class 712, subclass 214.
- 2. Inventions II and I are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed, group II, does not require the particulars of the subcombination as claimed, group I, because a processor can issue commands in a queue to access memory without implementing a system of generating and using Next Valid Write Address pointer field in queue entries. The subcombination, group I, has separate utility such as detecting WAR (write after read) and RAW (read after write) conflicts; and providing pre-fetch logic for subsequent write commands.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Sun whose telephone number is (571) 272-2675. The examiner can normally be reached on M-F, 10am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on (571) 272-4083. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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TAMMARA EXAMINE